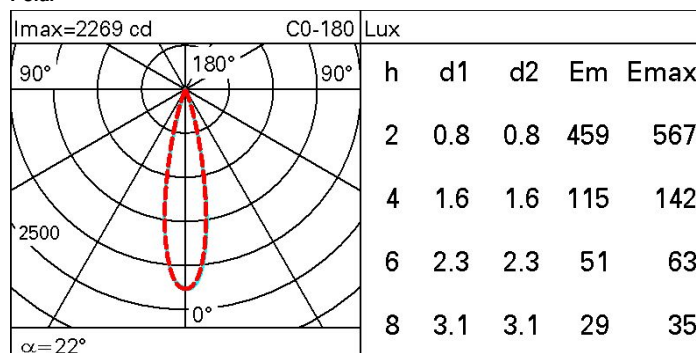


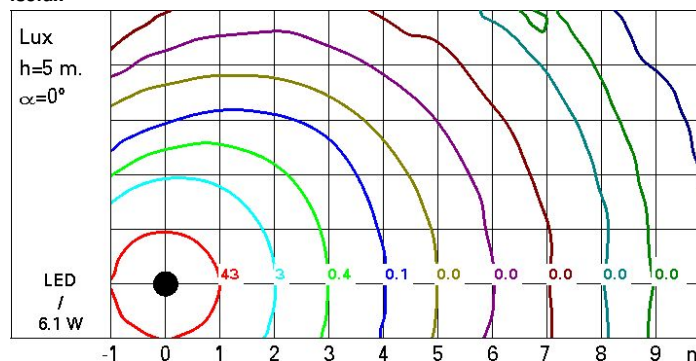
Technical data

Im system:	380	MacAdam Step:	2
W system:	6.1	Life Time LED 1:	99,000h - L80 - B10 (Ta 25°C)
Im source:	690	Life Time LED 2:	65,000h - L80 - B10 (Ta 40°C)
W source:	6.1	Ballast losses [W]:	0
Luminous efficiency (Im/W, real value):	62.2	Lamp code:	LED
Im in emergency mode:	-	Number of lamps for optical assembly:	1
Total light flux at or above an angle of 90° [Lm]:	0	ZVEI Code:	LED
Light Output Ratio (L.O.R.) [%]:	55	Number of optical assemblies:	1
Beam angle [°]:	22°	Ambient operating temperature range:	from -30°C to 50°C.
CRI:	80	Lifetime of product at ambient operating temperature:	≥ 50.000h Ta=40°C
Colour temperature [K]:	3000	LED Current [mA]:	550

Polar



Isolux



UGR diagram

Corrected UGR values (at 620 lm bare lamp luminous flux)											
Reflect.: ceiling walls work pl. Room dim x y		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30
		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
		viewed crosswise					viewed endwise				
2H	2H	4.6	6.7	4.9	7.0	7.3	-3.8	-1.7	-3.5	-1.4	-1.0
	3H	4.8	6.3	5.2	6.6	7.0	-3.6	-2.1	-3.2	-1.8	-1.4
	4H	5.0	6.2	5.4	6.5	6.8	-3.5	-2.3	-3.1	-2.0	-1.6
	6H	5.2	6.0	5.5	6.3	6.6	-3.4	-2.6	-3.0	-2.2	-1.9
	8H	5.2	6.0	5.6	6.4	6.7	-3.4	-2.5	-3.0	-2.2	-1.9
	12H	5.3	6.2	5.7	6.5	6.9	-3.4	-2.6	-3.0	-2.2	-1.8
4H	2H	4.5	5.7	4.9	6.0	6.3	-3.7	-2.5	-3.3	-2.2	-1.8
	3H	4.9	5.7	5.2	6.1	6.4	-3.3	-2.5	-2.9	-2.1	-1.8
	4H	5.0	5.9	5.4	6.3	6.7	-3.2	-2.3	-2.8	-1.9	-1.5
	6H	4.9	6.6	5.4	7.1	7.5	-3.4	-1.6	-2.9	-1.2	-0.7
	8H	5.0	6.9	5.4	7.3	7.9	-3.4	-1.4	-2.9	-1.0	-0.5
	12H	5.1	7.0	5.6	7.5	8.0	-3.4	-1.4	-2.9	-0.9	-0.4
8H	4H	4.5	6.5	5.0	6.9	7.4	-3.3	-1.4	-2.9	-0.9	-0.4
	6H	4.8	6.6	5.3	7.1	7.6	-3.0	-1.3	-2.5	-0.8	-0.3
	8H	5.1	6.6	5.6	7.1	7.6	-2.8	-1.3	-2.3	-0.8	-0.3
	12H	5.5	6.5	6.0	7.1	7.6	-2.4	-1.4	-1.9	-0.9	-0.3
12H	4H	4.5	6.4	5.0	6.9	7.4	-3.3	-1.4	-2.8	-0.9	-0.4
	6H	4.9	6.3	5.4	6.8	7.4	-2.9	-1.4	-2.4	-0.9	-0.4
	8H	5.2	6.3	5.7	6.8	7.3	-2.5	-1.4	-2.0	-0.9	-0.4
Variations with the observer position at spacing:											
S =	1.0H	3.1 / -2.1					4.7 / -2.0				
	1.5H	5.5 / -2.4					7.1 / -2.8				
	2.0H	7.3 / -2.9					9.0 / -3.3				